



Sequence Listing new 10-20-05.txt
SEQUENCE LISTING

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Havelund, Svend
Markussen, Jan
Ostergaard, Soren
Ridderberg, Signe
Balschmidt, Per
Schaffer, Lauge
Jonassen, Ib

<120> Glucose Dependent Release of Insulin from Glucose Sensing Insulin
Derivatives

<130> 6213.200-US

<140> 09/870,884

<141> 2001-05-31

<150> US 60/213,375

<151> 2000-06-23

<150> Denmark PA 2000 00858

<151> 2000-06-02

<160> 18

<170> PatentIn version 3.3

<210> 1

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15

Glu Asn Tyr Cys Asn
20

<210> 2

<211> 30

<212> PRT

<213> Homo sapiens

<400> 2

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
20 25 30

<210> 3

<211> 30

<212> PRT

<213> Homo sapiens

Sequence Listing new 10-20-05.txt

<400> 3

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Asp Lys Thr
20 25 30

<210> 4

<211> 30

<212> PRT

<213> Homo sapiens

<400> 4

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Lys Pro Thr
20 25 30

<210> 5

<211> 21

<212> PRT

<213> Homo sapiens

<400> 5

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15

Glu Asn Tyr Cys Gly
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<210> 6

<211> 30

<212> PRT

<213> Homo sapiens

<400> 6

Phe Val Lys Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Ile Lys Thr
20 25 30

<210> 7

<211> 21

<212> PRT

<213> Homo sapiens

<400> 7

Sequence Listing new 10-20-05.txt

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15

Glu Asn Tyr Cys Asp
20

<210> 8
<211> 29
<212> PRT
<213> Homo sapiens

<400> 8

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys
20 25

<210> 9
<211> 30
<212> PRT
<213> Homo sapiens

<400> 9

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Phe Thr Pro Lys Thr
20 25 30

<210> 10
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (30)..(30)
<223> x = ornithine

<400> 10

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Xaa
20 25 30

<210> 11
<211> 30
<212> PRT
<213> Homo sapiens

Sequence Listing new 10-20-05.txt

<220>
 <221> MISC_FEATURE
 <222> (30)..(30)
 <223> x = diaminopropionic acid

<400> 11

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Xaa
 20 25 30

<210> 12
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 12

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Lys
 20 25 30

<210> 13
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 13

Pro Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu
 1 5 10 15

Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
 20 25 30

<210> 14
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 14

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Asp
 20 25 30

<210> 15

Sequence Listing new 10-20-05.txt

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 15

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Glu
 20 25 30

<210> 16
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (30)..(30)
 <223> x = O-aminoserine(BOC)

<400> 16

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
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Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Xaa
 20 25 30

<210> 17
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 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (30)..(30)
 <223> x = diaminobutyric acid

<400> 17

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Xaa
 20 25 30

<210> 18
 <211> 7
 <212> PRT
 <213> homo sapien.

<220>

Sequence Listing new 10-20-05.txt

<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa=NBPhe

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa=Lys(lithocholoyl)

<400> 18

Gly Phe Phe Xaa Thr Pro Xaa
1 5